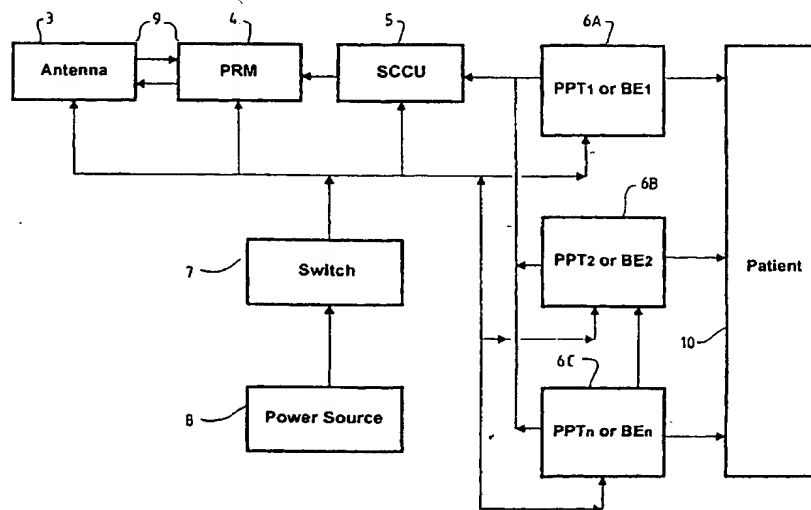




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(54) Title: WIRELESS SLEEP MONITORING



(57) Abstract

The present invention provides a method and apparatus for physiological monitoring of a remote subject, the apparatus including: a base station having a transmission means for transmitting a reference signal; and a physiological monitoring probe connectable to the subject, the physiological monitoring probe having: receiver means for receiving the reference signal; monitoring means for monitoring the subject and generating a condition signal containing information related to a condition of the subject; modulation means for modulating the reference signal to produce a modulated reference signal containing the information contained in the condition signal; and passive retransmission means for passively retransmitting the modulated reference signal to the base station; wherein the base station has means for receiving the modulated reference signal, and means for demodulating the modulated reference signal to obtain the information related to a condition of the subject so that a condition of the subject can be monitored at the base station.